

Industrial Ethernet Switch - FL SWITCH SFNT 8TX - 2891005

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Wide-temperature Ethernet switch, 8 TP RJ45 ports, automatic detection of data transmission speed of 10/100 Mbps (RJ45), autocrossing function, reads QoS priority messages, accepts security frames

Your advantages

- ✓ Auto negotiation and autocrossing detection simplifies installation and setup
- ✓ Alarm contact for power supply and link status diagnostics
- ✓ Local diagnostic indicators with LEDs
- ✓ The switch also offers cable locking and port blocking
- ✓ QoS-prioritized (Quality of Service) messages
- ✓ Wide operating temperature range (-40°C ... +75°C)
- ✓ RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 457200
GTIN	4046356457200

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	50 mm
Height	130 mm
Depth	100 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C

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Technical data

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	62 kPa ... 108 kPa (up to 4160 m above mean sea level)
Air pressure (storage/transport)	62 kPa ... 108 kPa (up to 4160 m above mean sea level)

Interfaces

Interface	Ethernet (RJ45)
No. of ports	8 (RJ45 ports)
Note on the connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 Mbps

Function

Basic functions	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode, includes QoS and alarm contact
Additional functions	Autonegotiation
Status and diagnostic indicators	LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port

Network expansion parameters

Cascading depth	Network, linear, and star structure: any
Maximum conductor length (twisted pair)	100 m

Supply voltage

Supply voltage	24 V DC (redundant)
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	155 mA (at U _S = 24 V DC)
Max. current consumption	490 mA (@9 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Net weight	460 g
Housing material	Aluminum
MTTF	80.2 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Conformance	CE-compliant
ATEX	# II 3 G Ex nA nC IIC T4 Gc
IECEx	Ex nA nC IIC T4 Gc

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Standards and Regulations

UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

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BV / GL / LR / NK / GL-SW / ABS / BSH / UL Listed / cUL Listed / EAC / EAC / KC / EAC / GL / cULus Listed

Ex Approvals

IECEx / ATEX / UL Listed / cUL Listed / cULus Listed

Approval details

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	22935/C0 BV
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GL		https://approvalfinder.dnvgl.com/	86569-10 HH
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LR		http://www.lr.org/en	10/20002
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NK		http://www.classnk.or.jp/hp/en/	TA15641M
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GL-SW			86569-10 HH
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ABS		http://www.eagle.org/eagleExternalPortalWEB/	19-HG1928426-PDA
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BSH		http://www.bsh.de/de/index.jsp	627
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Approvals

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 140324

cUL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 140324

EAC



RU *-
DE.A*08.B.00739

EAC



RU *-
DE.A*30.B.01735

KC



<http://eng.kcc.go.kr/user/ehpMain.do>

KCC-REI-
PCK-FL289100

EAC



RU*-
DE.*.B.00741/19

GL



cULus Listed

